

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	((("20020109485") or ("5547775") or ("3922638") or ("3342411")).PN.	US-PGPUB; USPAT	OR	OFF	2006/11/21 14:54
S2	5	((("20020109485") or ("5547775") or ("3922638") or ("3342411") or ("6204634")).PN.	US-PGPUB; USPAT	OR	OFF	2006/11/21 14:54
S3	2	("4709202"   "5561360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 14:55
S4	16	("5561360").URPN.	USPAT	OR	ON	2006/11/21 15:24
S5	14168	(threshold or predetermined or predefined) adj (value or threshold or current or voltage) and (constant adj (current or voltage)) and charging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/22 09:33
S6	4231	(320/124,125,128,130,136,152,148,157,159,160,162,163,164).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:33
S7	654	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:33
S8	200	(threshold or predetermined or predefined) adj (value or threshold or current or voltage) and (constant adj (current and voltage)) adj charging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:36
S9	72	S6 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:45
S10	175	S5 and (dual or multi\$3) adj (mode or rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:46
S11	175	S10 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:47

## EAST Search History

S12	22	S10 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/21 15:47
S13	16	("4031449"   "4137493"   "4163934"   "4549127"   "4639655"   "4746852"   "4755735"   "4767977"   "4806840"   "4855663"   "4897591"   "4959604"   "5111131"   "5172044"   "5200690"   "5212439").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 08:50
S14	16	("5304917").URPN.	USPAT	OR	ON	2006/11/22 08:54
S15	38	("3487284"   "3617851"   "3944904"   "4021717"   "4371826"   "4388582"   "4472672"   "4491768"   "4584514"   "4607208"   "4638236"   "4670703"   "4829259"   "4862013"   "4876495"   "5049804"   "5172784"   "5184059"   "5192905"   "5198743"   "5204611"   "5237257"   "5248928"   "5250891"   "5254932"   "5270636"   "5274319"   "5296797"   "5321349"   "5349281"   "5350996"   "5391974"   "5408170"   "5420493"   "5442274"   "5444353"   "5449997").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 08:56
S16	7	("5670863").URPN.	USPAT	OR	ON	2006/11/22 09:10
S17	0	("6414465").URPN.	USPAT	OR	ON	2006/11/22 09:14
S18	10	("5250904"   "5371454"   "5583416"   "5589757"   "5670863"   "5710506"   "5869969"   "5969506"   "6016048"   "6204645").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 09:14
S19	14168	(threshold or predetermined or predifined) adj (value or threshold or current or voltage) and (constant adj (current or voltage)) and charging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 15:17
S20	4231	(320/124,125,128,130,136,152,148, 157,159,160,162,163,164).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/22 09:38
S21	654	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/22 09:38

## EAST Search History

S22	4	(ac near switch) and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/22 09:38
S23	2	("4709202"   "5561360").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 10:18
S24	16	("5561360").URPN.	USPAT	OR	ON	2006/11/22 10:19
S25	8	(power adj switch) and (opto adj triac) and charging and ac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 15:21
S26	22	(power adj switch) and (opto adj triac) and ac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 15:24
S27	4	(ac adj switch\$3) and (opto adj triac) and charg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 15:28
S28	1	("6246331").URPN.	USPAT	OR	ON	2006/11/28 15:27
S29	8	(ac adj switch\$3) and (opto adj triac)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 16:24
S30	77	((start adj up) or startup) adj (power adj supply) and (switching adj power adj supply)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/28 16:27
S31	62	((start adj up) or startup) adj (power adj supply) and (switching adj power adj supply) and charg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/11/29 08:21
S32	1	("20060146468").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/29 08:21